

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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### Zenith 6E Glass & Stainless Steel Cleaner (070200, 072600)

Revision 8

Revision date 2014-06-10

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name	Zenith 6E Glass & Stainless Steel Cleaner (070200, 072600)
Product code	GREEN

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);
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##### 1.3. Details of the supplier of the safety data sheet

Company	Zenith Hygiene Group plc
Address	A1M Business Centre Dixons Hill Road Welham Green Herts AL9 7JE United Kingdom
Web	www.zhgcplc.com
Telephone	01707 270260
Email	helpdesk@zhgcplc.com

##### 1.4. Emergency telephone number

Emergency telephone number	028 9267 3331
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#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

Main hazards	No Significant Hazard
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#### SECTION 3: Composition/information on ingredients

##### 3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Ethylene glycol monobutyl ether (2-Butoxyethanol)	603-014-00-0	111-76-2	203-905-0	01-2119475108-36	1 - 10%	Xn; R20/21/22 Xi; R36/38
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7	01-2119457558-25-0000	1 - 10%	F; R11 Xi; R36 R67

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## 3.1. Substances

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Ethylene glycol monobutyl ether (2-Butoxyethanol)	603-014-00-0	111-76-2	203-905-0	01-2119475108-36	1 - 10%	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315;
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7	01-2119457558-25-0000	1 - 10%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so.
Eye contact	Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Skin contact	Wash with water. Seek medical attention if irritation or symptoms persist.
Ingestion	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	No irritation expected.
Skin contact	No irritation expected.
Ingestion	Unlikely to be harmful unless excessive amount ingested.

## 4.3. Indication of any immediate medical attention and special treatment needed

	No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.
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## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Carbon dioxide (CO2). Water jet. For large fires: Alcohol resistant foam. Water jet.
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## 5.2. Special hazards arising from the substance or mixture

	No special hazards known.
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## 5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

	Not normally required.
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## 6.2. Environmental precautions

	Do not allow product to enter drains. Dilute with water.
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## 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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## 6.4. Reference to other sections

	For personal protective equipment see subsection 8.2. For disposal considerations see section 13.
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## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
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## 7.2. Conditions for safe storage, including any incompatibilities

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## 7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep container tightly closed.

## 7.3. Specific end use(s)

No specific advice for end use available.

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

Ethylene glycol monobutyl ether (2-Butoxyethanol)	WEL 8-hr limit ppm: 25	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: 50	WEL 15 min limit mg/m3: -
Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400	WEL 8-hr limit mg/m3: 999
	WEL 15 min limit ppm: 500	WEL 15 min limit mg/m3: 1250

## 8.2. Exposure controls



## 8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

## 8.2.2. Individual protection measures

Adopt best Manual Handling considerations when handling, carrying and dispensing.

## Eye / face protection

Not normally required. In case of splashing, wear.. Safety glasses.

## Skin protection -

Wash hands after handling the product. For prolonged contact protection for the skin may be necessary.

## Handprotection

## Respiratory protection

Not normally required. Do not breathe gas/fumes/vapour/spray.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Green
Odour	Characteristic
pH	7.5
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability limits	No data available
Vapour Flammability	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive	No data available
Oxidising	No data available
Solubility	Soluble in water

## 9.2. Other information

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## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Specific gravity	1 g/cm <sup>3</sup>

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	No reactivity hazards known under normal storage and use conditions.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	No other adverse effects known.
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## 10.4. Conditions to avoid

	None.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No observed effect level.

## 11.1.4. Toxicological Information

Ethylene glycol monobutyl ether	Inhalation Rat LC50/15min: NDA Oral Rat LD50: 1746 mg/kg Dermal Rabbit LD50: NDA	Dermal Rat LD50: NDA Oral Mouse LD50: NDA Dermal Guinea Pig LD50: > 2000 mg/kg
Isopropanol	Inhalation Rat LC50/30min: NDA Oral Rat LD50: NDA Dermal Rabbit LD50: NDA	Dermal Rat LD50: NDA Oral Mouse LD50: 3600 mg/kg Dermal Guinea Pig LD50: NDA

## SECTION 12: Ecological information

## 12.1. Toxicity

Ethylene glycol monobutyl ether	Daphnia EC50/48h: 1550.0000 mg/l Fish LC50/96h: 1474.0000 mg/l	Algae IC50/72h: 1840.0000 mg/l
Isopropanol	Fish LC50/96h: 1000.0000 mg/l Daphnia LC50/48h: NDA	Green algae EC50/96h: NDA

## 12.2. Persistence and degradability

	No data is available on this product.
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## 12.3. Bioaccumulative potential

	No data is available on this product.
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## 12.4. Mobility in soil

	No data is available on this product.
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## 12.5. Results of PBT and vPvB assessment

	Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.
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## 12.6. Other adverse effects

	No other adverse effects known.
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## SECTION 13: Disposal considerations

## General information

	Dispose of in compliance with all local and national regulations.
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## Disposal of packaging

Dispose of in compliance with all local and national regulations. Empty containers can be cleaned with water.

## Further information

European Waste Catalogue: 20 01 30 detergents other than those mentioned in 20 01 29.

## SECTION 14: Transport information

## ADR/RID

The product is not classified as dangerous for carriage.

## IMDG

The product is not classified as dangerous for carriage.

## IATA

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Ingredients according to EC Detergent regulations shown in section 16 if applicable.

## 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture.

## Further information

For prolonged contact protection for the skin may be necessary.  
Safety data sheet available for professional user on request.

## SECTION 16: Other information

## Other information

## Revision

This document differs from the previous version in the following areas:  
16 - Further information.

## Acronyms

LC: Lethal concentration.  
LD: Lethal dose.  
N/A - Not applicable.  
NDA - No data available.  
NOAEC: No observed adverse effect concentration.  
NOAEL: No observed adverse effect level.  
NOEC: No observed effect concentration.  
NOEL: No observed effect level.  
PBT: Persistent, bioaccumulative and toxic.  
SVHC: Substance of very high concern.  
vPvB: Very persistent and very bioaccumulative.  
\*R01 - Polymer REACH number not available.

## Text of risk phrases in Section 3

R11 - Highly flammable.  
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.  
R36/38 - Irritating to eyes and skin.  
R36 - Irritating to eyes.  
R67 - Vapours may cause drowsiness and dizziness.

## Text of Hazard Statements in Section 3

Acute Tox. 4: H302 - Harmful if swallowed.  
Acute Tox. 4: H312 - Harmful in contact with skin.  
Skin Irrit. 2: H315 - Causes skin irritation.  
Eye Irrit. 2: H319 - Causes serious eye irritation.  
Acute Tox. 4: H332 - Harmful if inhaled.  
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.  
STOT SE 3: H336 - May cause drowsiness or dizziness.

## Labelling for contents

anionic surfactants 0% - < 5%

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## Other information

preservation agents 0% - &lt; 5%

## Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

Preservatives contains: (5 - chloro -2-methyl -4 -isothiazolin -3-one, 2 -methyl -4 -isothiazolin -3 -one).